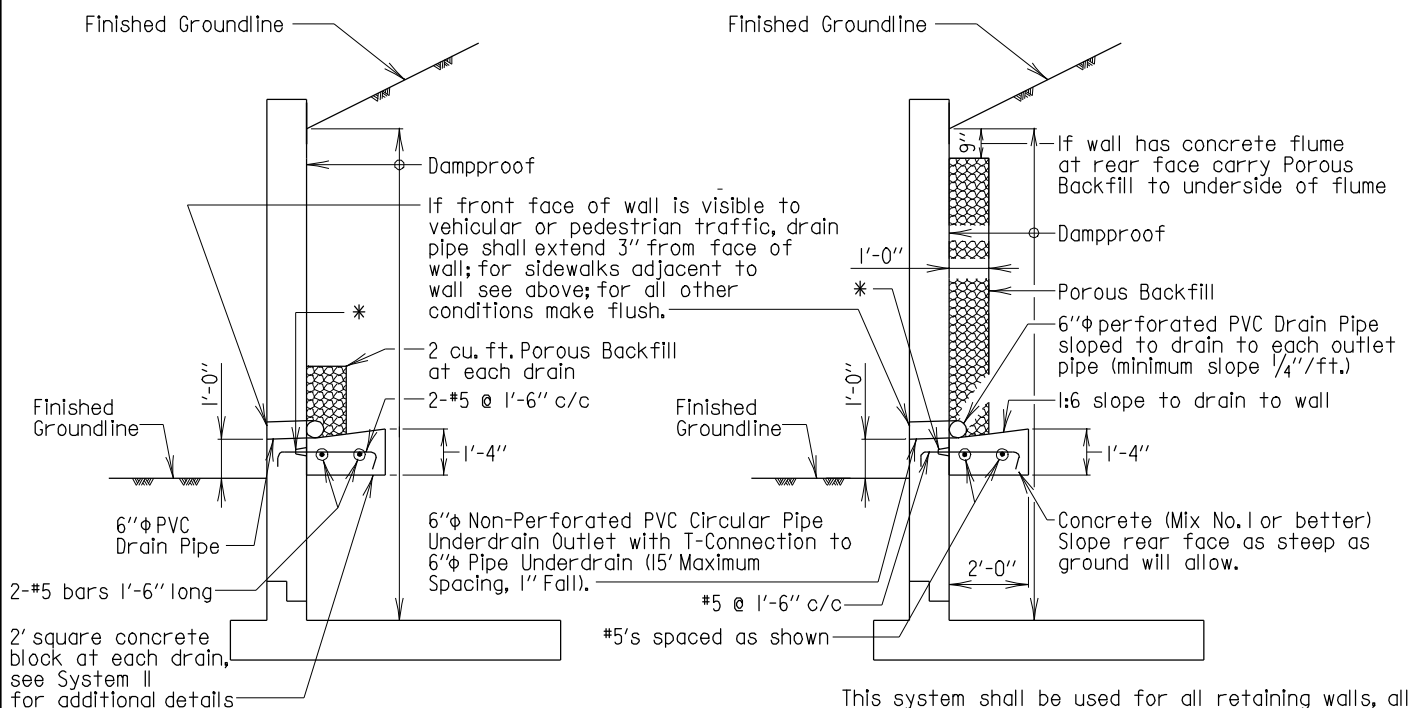


### DRAIN AT SIDEWALK

Scale : None

\* #5 Threaded Rebar Dowel Coupler at 1'-6" c/c.



This system shall be used for all retaining walls, all wing walls (not in System I).

This system shall be used for all box culvert wing walls and other wing walls that are both less than 30' long and less than 16' high (height of wall from bottom of footing to top of highest section). One drain shall be placed at 1/2 of wall for all walls less than 15' long. For walls between 15' and 30' long, two drains shall be placed, one at each third point.

### SYSTEM I

Scale : None

### SYSTEM II

Scale : None

OTHER RELATED STANDARDS  
REBAR-BD(2.21)-93-285  
REBAR-PL(4.00)-93-286

- Note:
1. Exact elevation of drain to be determined by Engineer in field.
  2. Porous backfill (refer to Section 469).
  3. Use this standard for bridges with wing walls that are not parallel to the highway. For bridges with wing walls parallel to the highway see Std. No. BR-SB(0.01)-80-101 sheet 5 of 5 for details.

FHWA APPROVAL  
DATE: 6-20-80

APPROVAL	
<i>L. S. Friedman</i>	DIRECTOR OFFICE OF BRIDGE DEVEL.
DATE: 2/25/80	
REVISIONS	
SHA	FHWA
11-17-97	-
4-22-98	-
12-14-98	-
1-22-01	-

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF BRIDGE DEVELOPMENT  
  
RETAINING WALL AND WING WALL  
DRAINAGE SYSTEMS

STANDARD NO. RW(0.01)-80-100

SHEET 1 OF 1